

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

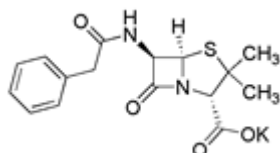
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---



## Product Specifications

<b>Catalogue Number</b>	00756
<b>Product</b>	<b>Penicillin G potassium salt</b> Benzylpenicillin potassium salt
<b>CAS Number</b>	113-98-4
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> SK
<b>Molecular Weight</b>	372.48

---

<b>Appearance</b>	White or almost white crystalline powder
<b>Clarity &amp; Color</b>	Color of solution : Not intensely colored than yellow or yellow-green 2# Clarity of solution : Not more turbid than 2# standard turbidity solution
<b>pH</b>	5.0 - 7.5
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 270 - 300 °
<b>UV Ratios</b>	Absorbance At 400nm : ≥ 90%
<b>Loss on Drying</b>	≤ 1%
<b>Related Substances</b>	Max. Individual impurity : ≤ 1%
<b>Potency (Anhydrous Basis)</b>	≥ 1500 u/mg
<b>Purity by HPLC</b>	96 - 102%
<b>Grade</b>	USP
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Identification : To pass test

**For Laboratory Use Only**